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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Hiroshi HAMADA et al

SERIAL NO: 07/340,777

GROUP: 254

FILED: April 20, 1989

EXAMINER: Mai

FOR: A LIQUID CRYSTAL ACTIVE-MATRIX DISPLAY DEVICE

RECEIVED
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INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

March 22, 1991

Sir:

Pursuant to the duty of disclosure provisions of 37 CFR 1.56, the Applicants hereby submit a statement in accordance with 37 CFR 1.97-1.99.

DOCUMENTS

The Examiner is respectfully requested to give consideration to the documents listed on the PTO-1449 form attached hereto and to make these documents of record in the file wrapper of the present application. These documents are being submitted at this time due to the fact that Applicants' foreign representative recently made these publications available to Applicants' attorney.

STATEMENT OF RELEVANCY

The article entitled "Electrooptical Performance of a TFT-Addressed TNLC Panel" to Morin discloses the influence of TFT stray capacitances and how a TFT-addressed TNLC panel, without any storage capacitor, is compatible with a TV driving scheme and compatible with CMOS ICs driving circuits.

The article entitled "Design of Thin Film Transistors for Matrix Addressing of Television Liquid Crystal Displays" to Stroomer discloses the reproduction of grey tones in a liquid crystal television system. The reproduction of grey tones, addressed by amorphous silicon thin film transistors, is further discussed, as are the electrical and geometrical factors which influence the accuracy of grey tone reproduction. The paper concludes that the geometry of an amorphous silicon TFT has an important influence on the grey scale reproduction which can be expected in combination with a liquid crystal effect. It further concludes that the presence of capacitive gate-drain coupling limits the range of channel widths that provide sufficient performance.

This statement is not to be construed as a representation that a search has been made or that no better exists.

Please charge any fees or credit any overpayment pursuant to 37 CFR 1.16 or 1.17 to Deposit Account No. 02-2448.

Respectfully submitted,

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